



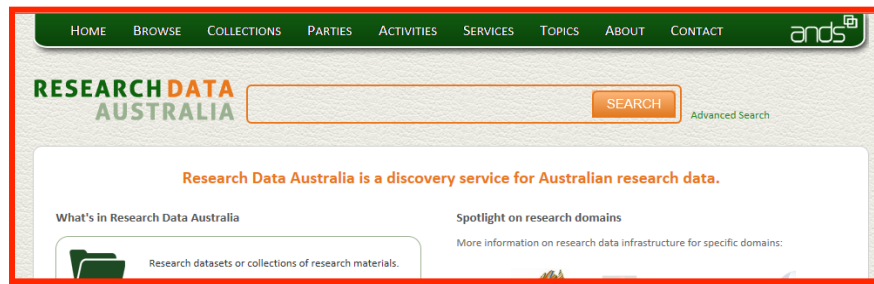
Research Data Alliance: Current Status / Intro to Working Groups

October 2, 2012

Fran Berman
enquiries@rd-alliance.org

(presentation at rd-alliance.org)

Interest and opportunities for Data hitting the “tipping point”

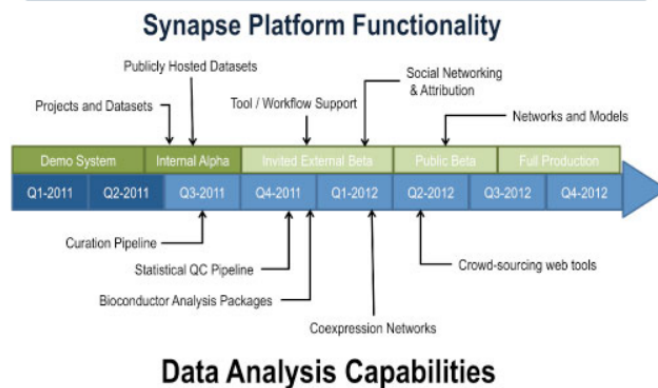


Community coordination an accelerant for data-driven discovery and innovation

- “Just do it” -- Focused efforts help communities share and exchange data

Sage Bionetworks' Synapse Commons Repository creating a registry of available data sets to assist in the development of disease and treatment models

Synapse Platform and Repository Roadmap



A link to the

Creation / adoption of data sharing policies have accelerated research innovation

RCSB PDB Data Validation and Deposition Services

Frequently Asked Questions regarding Depositing, Updating and Releasing Files

Please click the ► (arrows) below to expand or collapse text

| Expand All | Collapse All |

1 Deposition, update and release policies

- What are the deposition and release policies?
- What is the smallest polymer structure that can be deposited to the PDB?

THE LANCET Neurology

Search for in

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The Lancet Neurology, Volume 6, Issue 6, Pages 480 - 481, June 2007
doi:10.1016/S1474-4422(07)70118-7 [Cite or Link Using DOI](#) [Previous Article](#)

Alzheimer's researchers open the doors to data sharing

[James Butcher](#)

Data from the US Alzheimer's Disease Neuroimaging Initiative will be made publicly available in a central database

Research Data Alliance

Global Data Alliance

Development of a publicly available central database enabling new results for Alzheimer's

What is the Research Data Alliance?

- **RDA is a forum for specific efforts that accelerate the sharing and exchange of research data**
- RDA Working Groups characterized by
 - Measurable outcomes
 - Short-term focus
 - “Value added” to existing efforts
- **Working Groups efforts should pass the “Monday morning” (next year) test:**
 - What will be different (better) on Monday morning as a result of Working Group efforts?

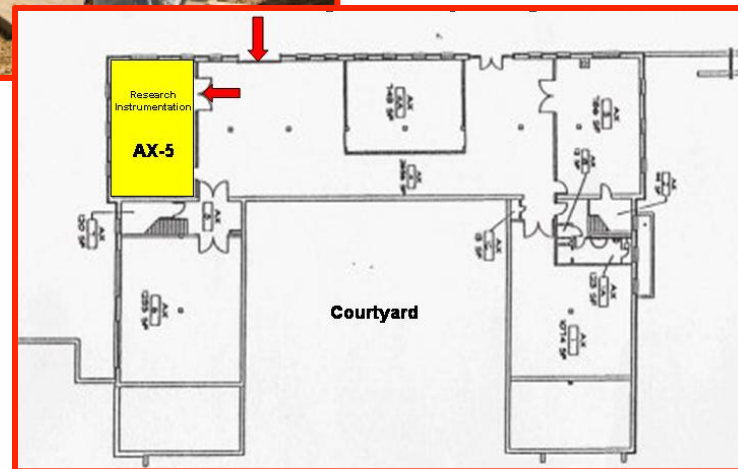
Where We're At



What we're
not doing



What many
of us will do



Research Data Alliance Approach

Goal: Focused efforts, tangible progress:

- **Start by “chunking”** – create and adopt focused pieces of code, policy, infrastructure, standards, or best practices that enable data to be shared and exchanged *now*

Through Working Group activities, encourage

- **“Harvestable” efforts** for which roughly a year of work can eliminate a roadblock for a substantial community focused on innovation
- **Efforts that have substantive applicability** to “chunks” of the data community, but may not apply to everyone
- **Efforts for which working scientists and researchers can start today** to get something done now, while more long-term or far-reaching solutions are being appropriately discussed in other venues

Looking for Impact through the efforts of the Working Groups:

- *Will the product(s) of the Working Group foster data sharing and/or exchange?*
- *Are there measurable outcomes?*
- *Are the “products” of RDA Working Groups achievable and do they produce tangible results?*

RDA Development Status

Pre Global Data Meeting

- Initial discussions: Vision, Purpose, WG, Governance, Membership, etc.
- Planning for October Meeting

Global Data Meeting

- Community information and input
- Feedback on initial discussion issues
- Germination of vanguard Working Groups

Pre-launch

- Continuing conceptualization of operations and bylaws, etc.; community feedback solicited through website
- Population of Council, Sec., vanguard Working Groups

March 2013 Plenary Launch

- High-impact plenary speakers
- Approval of by-laws, org. members, affiliate partners, etc.
- Reports on vanguard WGs and approval of new WGs, etc.

Who's Involved

- **NGS (non-governmental structure) Steering Group:**
 - AU: Ross Wilkinson and Andrew Treloar
 - EU: John Wood, Leif Laaksonen, Peter Wittenburg, Juan Bicarregui
 - US: Fran Berman and Beth Plale
- **AU, EU, US National R&D agencies**
 - Development support and planned RDA participation
- **You and others in the Community:**
 - **Rd-alliance.org** will have increasing set of issues for community input
 - Looking to develop “vanguard” Working Groups in advance of March 2013 RDA Plenary Launch
 - Looking to have new Working Groups for approval at March 2013 RDA first Plenary

Research Data Alliance Working Groups



RDA Working Groups Form the Foundation for RDA Community Impact

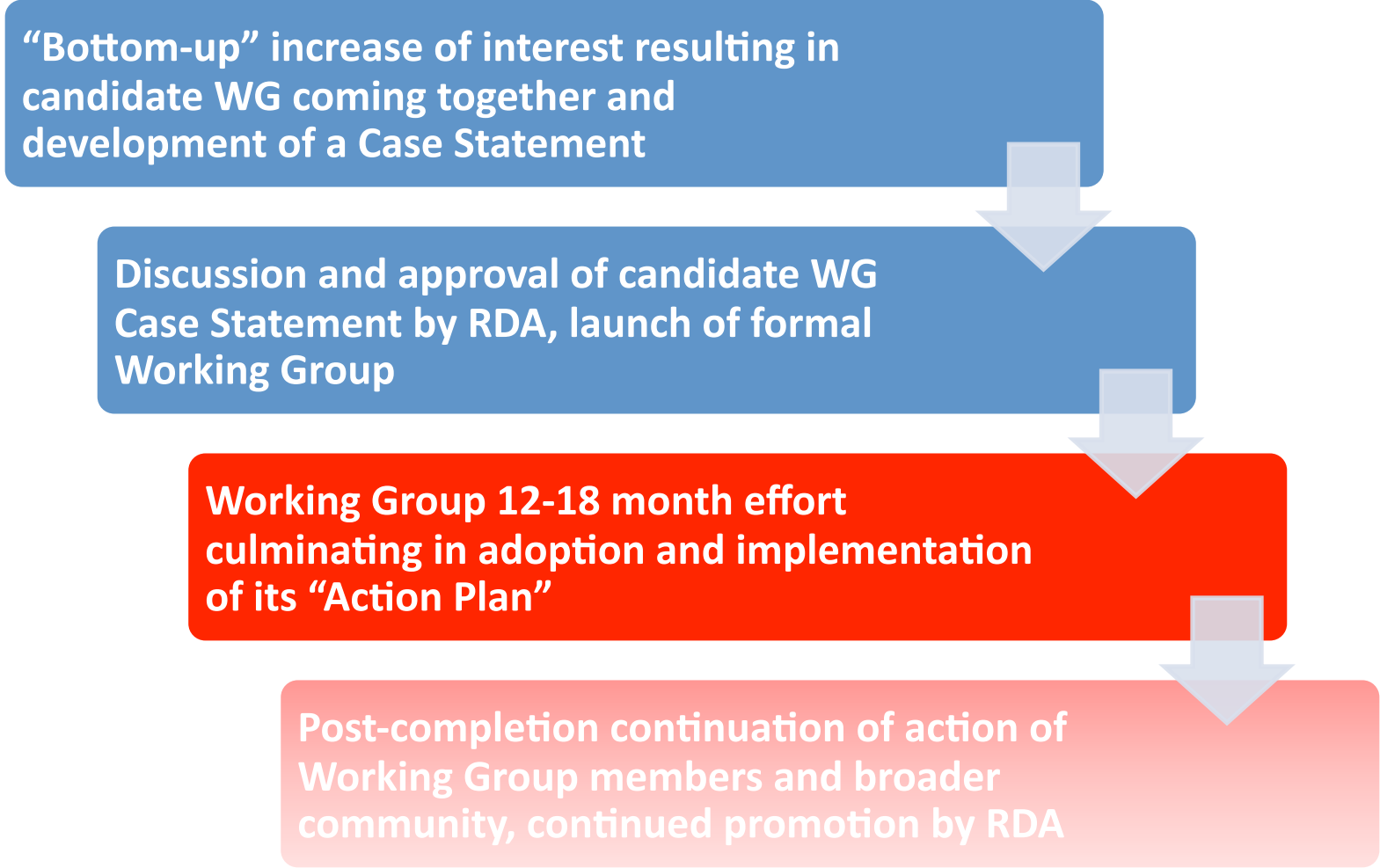
- *Working Groups envisioned as accelerants to data sharing practice and infrastructure in the short-term* with the overarching goal of advancing global data-driven discovery and innovation
- RDA Working Group profile:
 - *Short-term: 12-18 months*
 - *Focused efforts with specific actions adopted by specific communities*
 - *International participation*
 - *Open, voluntary, consensus-driven*
 - *Complementary to effective efforts elsewhere*

Potential outcomes / deliverables:

- Adopted standards
- Deployed infrastructure
- Adopted policy
- Implemented best practice, etc.

Draft RDA Working Group “Workflow”

“Bottom-up” increase of interest resulting in candidate WG coming together and development of a Case Statement



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graph TD; A["“Bottom-up” increase of interest resulting in candidate WG coming together and development of a Case Statement"] --> B["Discussion and approval of candidate WG Case Statement by RDA, launch of formal Working Group"]; B --> C["Working Group 12-18 month effort culminating in adoption and implementation of its “Action Plan”"]; C --> D["Post-completion continuation of action of Working Group members and broader community, continued promotion by RDA"];
```

Discussion and approval of candidate WG Case Statement by RDA, launch of formal Working Group

Working Group 12-18 month effort culminating in adoption and implementation of its “Action Plan”

Post-completion continuation of action of Working Group members and broader community, continued promotion by RDA

Draft Working Group Case Statement

1. **WG Charter:** *A concise articulation of what issues the WG will address within a 12-18 month time frame and what its outcomes or “deliverables” will be*
2. **Value Proposition:** *A specific description of who will benefit from the adoption / implementation of the WG outcomes / “deliverables” and what tangible impacts the adoption / implementation of the deliverables should have.*
3. **Action Plan:** *A specific plan for adoption / implementation of the WG deliverables within the organizations and institutions represented by WG members, and plans for adoption / implementation of the deliverables more broadly within the community.*
4. **Work Plan:** *A specific and detailed description of how the WG will operate including*
 - *The form and description of final deliverables of the WG*
 - *The form and description of documents, code or intermediate deliverables that will be developed during the course of the WG’s work*
 - *The WG’s planned approach to broader community engagement and participation*
5. **Initial Membership:** *A specific list of initial members of the WG. A description of the initial leadership for the WG.*

Draft Review Criteria for RDA WG Case Statement Approval

- **IMPACT:**

- *Are the deliverables and the WG Action Plan achievable and do they produce tangible results?*
- *Are there measurable outcomes?*
- *Will the product(s) of the Working Group foster data sharing and/or exchange?*

- **TIMEFRAME:**

- *Can the proposed work, outcomes /deliverables, and Action Plan described in the Case Statement be accomplished in 12-18 months?*

- **SCOPE / FIT:**

- *Is the scope too large for effective progress, too small for an RDA effort, or not appropriate for the RDA?*
- *Overall, is this a worthwhile effort for the RDA to take on?*

We Need Your Help



- **Help us “debug” the Working Group concept:**
 - Develop / evolve ideas for potential RDA Working Groups at sessions on October 1 and 2
 - “Report-out” on your ideas using the WG template (next slide) on October 3
- **Most important, please provide feedback on**
 - The WG development “workflow”
 - The focus / format of the Case Statement as a vehicle for helping WGs achieve “focused effort, tangible progress”
 - What you think will work well
 - Anything we’re missing or have wrong, etc.

Self - Organizing Breakout Groups

- **For the next 10 minutes:**

- Create / identify a candidate Working group focus and find at least 9 other people who you want to work with on this at this meeting
- Be prepared to let us know what it is at the end of 10 minutes

- **Sorry that this will be “messy” ...**

Candidate Working Group Breakout Groups:

- Harmonization of PID information types
- Data type registries
- Metadata
- Terminology harmonization
- Pub/data citation linking
- Legal
- UPC code for data
- Policy
- Science engagement
- Urban scientist

WG Breakout Agenda *(times may vary)*

10/2	14:30-15:45	Breakout Groups
	15:45 – 16:15	Coffee break
	16:15 – 18:00	Breakout Groups cont.
10/3	9:20 – 10:50	Breakout Groups cont.
	10:50 – 11:20	Coffee break
	11:20 – 12:00	Breakout Group Report-out
	12:00 – 12:30	Discussion and Feedback on WG and Case Statement concept

Template for Group Report-outs

- For each potential Working Group, describe what you think the Case Statement would be using the following slide template (at rd-alliance.org):

<Title of Working Group> Charter and Membership

Focus:

Final deliverables / outcomes:

Initial membership and leadership:

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<Title of Working Group> Value Proposition

Who will benefit:

Impact:

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<Title of Working Group> Action Plan

Adoption / Implementation Actions for deliverables / outcomes:

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<Title of Working Group> Work Plan

Operations / organizational approach

Intermediate milestones / deliverables

Broader community engagement

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<Title of Working Group> Charter and Membership

Focus:

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Impact:

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